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[Continued on next page]

(54) Title: SYSTEM FOR LINING A WELLBORE CASING

30e 30 30a 28c 260 25t 26 24 22 222 102 14b

(57) Abstract: A system for lining a wellbore casing.

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# INTERNATIONAL SEARCH REPORT

International application No.

		PC1/US02/25727	' i
A. CLASSIFICATION OF SUBJECT MATTER			
IPC(7) : E21B 43/10			
US CL : 166/380, 207			
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Minimum documentation searched (classification system followed by classification symbols)			
U.S. : 166/380, 207, 378, 212, 217, 242.6			
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched			
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Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)			
C. DOCUMENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where a	opropriate, of the relevant passages	Relevant to claim No.
X	US 6,070,671 A (CUMMING et al.) 06 June 2000 (		13-15,17,18,21-23,25-
Λ	03 0,070,071 A (COMMING & al.) 00 100 2000 (	00.00.00), figures 1 and 2.	31, and 33
	THE COLCUMN A GENERAL THROUGH A LINE ALL AND	,	
Х	US 6,085,838 A (VERCAEMER et al.) 11 July 2000 (11.07.00), figures 5-7.		1,4-7,11-19, and 21-35
X	SU 1086118 A (GARIFOV) 15 April 1984 (15.04.84), figures 1 and 2.		13-15,17-23,25-31, and
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